Section 5: Ambient Air Quality Monitoring

5.1 Attainment of the 1-Hour Ozone Standard

The monitoring sites⁴ in the New Orleans Ozone Maintenance Area have operated in accordance with the requirements of 40 CFR 58 and the EPA-approved Quality Assurance Program Plan. The NAAQS for 1-hour ozone is 120 parts per billion (ppb) based on a 1-hour average sample. Because of rounding, a 1-hour monitor reading of 125 ppb is considered an exceedance of the 1-hour ozone standard, whereas a reading of 124 ppb is considered as meeting the standard.

For the 3-year period of 2003, 2004 and 2005, the New Orleans Maintenance Area network monitored attainment with the 1-hour ozone NAAQS through the end of calendar year 2005. The design value for the New Orleans Maintenance Area was 101 ppb; Jefferson Parish was 101 ppb; Orleans Parish was 86 ppb; St. Bernard Parish was 101 ppb; and St. Charles Parish was 101 ppb. EPA revoked the 1-hour ozone standard effective June 15, 2005.

5.2 Attainment of the 8-Hour Ozone Standard

The NAAQS for 8-hour ozone is 80 ppb based on the three-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area. An 8-hour monitor reading of 85 ppb is considered an exceedance of the 8-hour ozone standard and a reading of 84 ppb is considered as meeting the standard. Figures 2a-2e (pages 14-16) illustrate the trend in 8-hour ozone design values in ppb for the New Orleans Maintenance Area sites from 1998 through 2005.

⁴ Jefferson Parish #22-051-1001; Orleans Parish #22-071-0012; St. Bernard Parish #22-087-0002; and St. Charles Parish #22-089-0003 (data retrieved from US EPA AQS)

Figure 2a

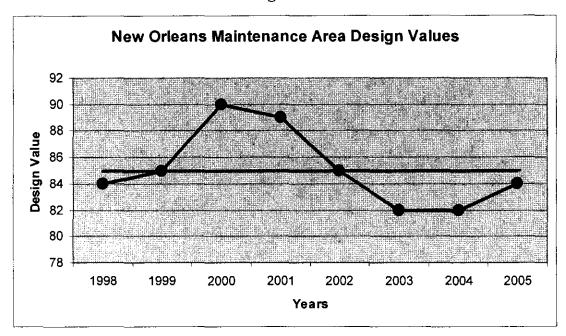


Figure 2b

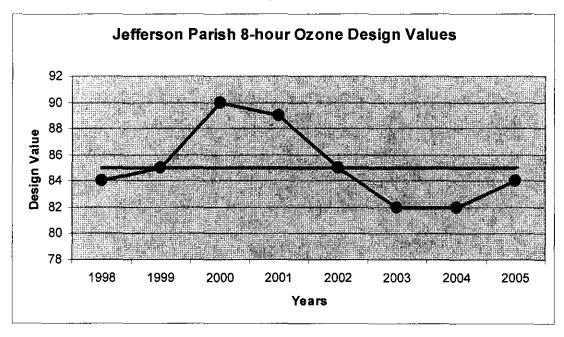


Figure 2c

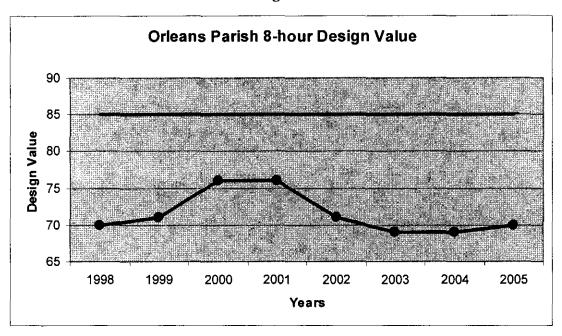


Figure 2d

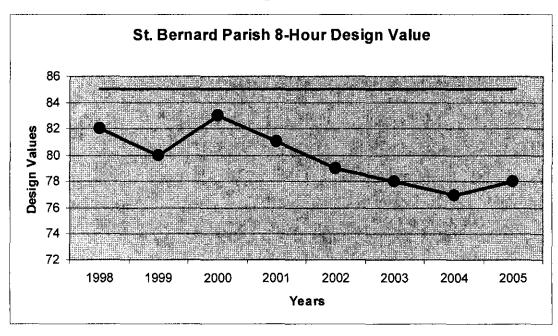
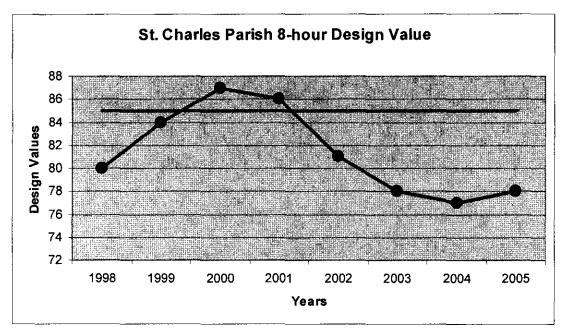


Figure 2e



Tables 5-1 through 5-4 indicate that the Orleans Parish and St. Bernard Parish ozone monitors have monitored attainment for the latest six complete three-year periods, the St. Charles Parish ozone monitor has monitored attainment for the latest four complete three-year periods, and the Jefferson Parish ozone monitor has monitored attainment for the latest three complete three-year periods.

Table 5-1: Jefferson Parish 8-Hour Ozone Design Values 1998-2005

Year	lst	21 0	31	4 th	#of doys>	Design Value
1998	102	97	90	89	84 ppb 4	(ppb) 84
1999	97	93	90	88	10	85
2000	100	98	96	95	11	90
1999	97	93	90	88	10	85
2000 2001	100 94	98 93	96 87	9 5 84	3	90 89
2001						07
2000	100	98	96	5#####################################	11	90
2001	94	93	87	84	3	89
2002	85	84	77	76	r russes, presidente des la constante.	85
2001	94	93	87	84	3	89
2002	85	84	77	76		85
2003	102	93	89	88	6 maismai dinene	82
2002	85	84	77	76	1	0.5
2002	65 4 102 5	04 93	89	/O		85 82
2004	92	90	84	83	2	82
2003	102	93	89	88	6	82
2004	92	90	84	83	(a)	82
2005	86	84	84	83	1	84

Table 5-2: Orleans Parish 8-Hour Ozone Design Values 1998-2005

Year	Ist	2"		20	# of days≥	Design Value
1998	78	73	72	71	84 ppb 0	(ppb) 70
1999	80	79	78	78	0	71 3
2000	84	84	82	81		76 ·
1999	80	79	78	78	0	71
2000 2001	8 4 77	84 73	82 71	81 69	0 0	76 76
			AND THE PROPERTY OF THE PARTY.			
2000 2001	84 77	84 73	82 71	81 6 9	0	76
2002	74	68	65	65	0	7 1
2001	77	73	71	69	0	76
2002	74	68	65	65	p	71
2003	83	75	75	74	0	69
2002	74	68	65	65	0	71
2003 2004	83 75	75 75	75 69	7 4 69	0	69
2004		73				Uy
2003 2004	83	75 75	75 69	74 69	0	69 69
2004	75 81	70	7 0	68	0	7 0

Table 5-3: St. Bernard Parish 8-Hour Ozone Design Values 1998-2005

Year	k.	200	3rd	e and	# of days ≥	Design Value
					84 ppb	(ppb)
1998	103	86	85	82	3 Er verstellen eller erstelle	82
1999	90	89	87	83		80
2000	91 	87	86	86	4	83 a: BenskeldalifAladiyok
1999	90	89	87	83	3 a 4290534394500000	80
2000	91	87 79	86 76	86 76	. iii ii Atii ii i	83 81
2001	84 ####################################	79 Watalia zisa l	70			01
2000	01	07	06	86		02
2000	91 84	87 7 9	86 76	76	4	83 81
2001		ZVIII INDIANI				7 9
2002	94 	76	76	75	1 u chammi idakis	/9
2001	84	7 9	76	76	0	81
2001	94	76	76	75	i proper	70
2003	103	90	90	83	3	78
			on Policy on Spring out			
2002	94	76	76	75	1	79
2003	103	90	90	83		78
2004	94	80	80	74	1	77
7.1 (2.44) (2.44	reger in de la					
2003	103	90	90	83	3	78
2004	94	80	80	74	t Baraya a daga Baraya Bara	
2005	89	81	7 9	79	1	78

Table 5-4: St. Charles Parish 8-Hour Ozone Design Values 1998-2005

Year	1st	2 nd			#of days>	Design Value
1998	93	88	86	84	84 ppb 3	(ppb) 80
1999	90	88	87		114	84
2000	107	105	104	94	8	87
1000	00	00	87	85	4	84
1999 2000	90 1 07	88 105	104	94 .	8	87
2001	88	84	84	79	1	86
2000	107	105	104	94	8	87
2001	88	84	84	79		86 81
2002	84	81	75	71	0	81
2001	88	84	84	79	1	86
2002	84	81	75	71	0	81
2003	96	87	84	84	2	78
2002	84	81	75	71	0	81
2002	96	87	84	84		78
2004	90	85	83	76	2	77
		o dunarspos A Postoliano				
2003	96	87	84	84	2 ####################################	78
2004 2005	90 81	85 80	83 79	76 76	0	77 78
2003	81	80	19	70	U	/8